

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
24 February 2005 (24.02.2005)

PCT

(10) International Publication Number
WO 2005/017307 A1

(51) International Patent Classification⁷:

E21B 21/06

(74) Agent: MIRZA, Akram, Karim; Intellectual Property Law Department, Schlumberger Cambridge Research Limited, High Cross, Madingley Road, Cambridge CB3 0EL (GB).

(21) International Application Number:

PCT/GB2004/002863

(22) International Filing Date:

2 July 2004 (02.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0318840.6

12 August 2003 (12.08.2003) GB

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (for all designated States except US): M-I L.L.C. [US/US]; 5950 North Course Drive, Houston, TX 77072 (US).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

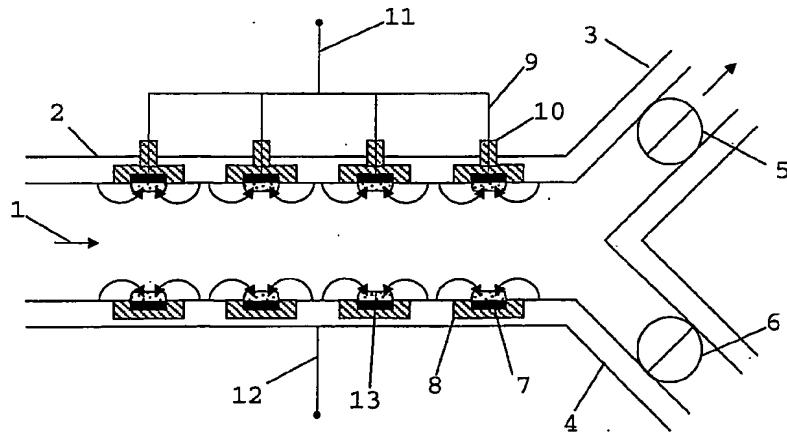
(75) Inventors/Applicants (for US only): CARRIER, Michelle, Bridget [AU/GB]; 3 Ainsworth Court, Cambridge CB1 2PA (GB). MEETEN, Gerald, Henry [GB/GB]; South Cottage, Bromley Lane, Standon, Ware, Hertfordshire SG11 1NW (GB).

Published:

— with international search report

[Continued on next page]

(54) Title: ELECTRICAL TREATMENT FOR OIL BASED DRILLING OR COMPLETION FLUIDS



(57) Abstract: A method of removing particulate solids from an oil based drilling or completion fluid (1) is disclosed. The method involves exposing the fluid to an electric field to electrically migrate particulate solids suspended therein, and collecting the migrated particulate solids to remove them from the fluid.

WO 2005/017307 A1